

# NEBRASKA WEATHER & CROPS

NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

For Week Ending August 14, 1994

Issue: 23-94

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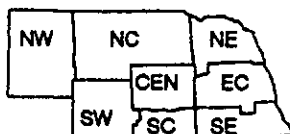
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National Weather Service



Nebraska Department of Agriculture  
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## WEATHER

Temperatures in the west averaged near normals for the week, while the remainder of the State averaged three to six degrees below normals. Scattered precipitation throughout the week produced from a trace in the southwest up to 1.13 inches in the northeast.

## GENERAL

Cooler, cloudy conditions over much of the State last week slowed the rate of maturity for all crops, according to the Nebraska Agricultural Statistics Service. Scattered showers continued to help crops locally, while drier portions of counties need additional rainfall before the crops mature. Producer activities included irrigating crops, readying grain bins and equipment for harvest, weed control, spraying for grasshoppers and corn borer, and harvesting potatoes.

## CROPS

Corn condition was rated at 1% poor, 6% fair, 66% good, and 27% excellent. Cooler weather last week slowed plant development but fields in or beyond the dough stage remain about two weeks ahead of the 5-year average. Fields were reaching the dent stage less than a week ahead of the average, as of Sunday. Spraying for corn borers was active in several areas.

Soybean condition was rated at 1% poor, 6% fair, 64% good, and 29% excellent. Plant development slowed

## CROPS (Cont.)

last week but remained over two weeks ahead of the average as plants setting pods reached 96%. Leaves were turning color in several southern and central counties. Weed control continued where possible.

Sorghum condition was rated at 10% fair, 69% good, and 21% excellent. Heading, at 97% complete, was about two and a half weeks ahead of the 5-year average with coloring beginning in most areas.

Dry bean condition was rated at 22% fair, 70% good, and 8% excellent. About 94% of the acreage had set pods by week's end with 8% leaves turning color.

Alfalfa condition was rated at 2% very poor, 1% poor, 24% fair, 65% good, and 8% excellent. Third cutting activities progressed to 48% harvested with some downed hay rained upon before baling. Wild hay condition was rated at 3% very poor, 3% poor, 27% fair, 65% good, and 2% excellent. Haying remained active.

## LIVESTOCK

Pasture and range condition was rated at 89% of normal and compares with 102% last year. Some areas continue to have good grass regrowth and excellent grazing potential while other areas that experienced "green up" have had limited regrowth. Rainfall is needed in those areas to stretch resources. Some supplemental feeding has occurred in those areas of reduced grazing potential.

FIELD WORK PROGRESS AS OF AUGUST 14, 1994	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn dough state	59	80	68	89	86	98	91	88	83	66	27	47
% corn dented	7	10	14	12	22	23	18	18	17	9	1	9
% sorghum headed	0	99	98	97	100	96	100	95	97	94	45	65
% sorghum turning color	0	5	0	5	13	10	9	7	9	1	0	6
% soybeans setting pods	0	98	88	99	100	94	98	100	96	89	51	63
% soybeans turning color	0	0	0	2	5	14	2	0	2	0	n/a	n/a
% alfalfa third cutting	6	30	39	79	53	67	56	78	48	32	18	37
% dry beans podded	98	100	77	100	0	83	100	0	94	90	50	n/a
% dry beans turning	7	2	0	0	0	10	10	0	8	2	n/a	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 12, 1994												
Days suitable	5.7	5.3	4.5	4.8	4.8	5.5	5.2	5.6	5.2	4.9	6.2	
Topsoil moisture - Short	54	29	19	0	15	33	25	35	26	24	20	
(Percent) - Adequate	46	71	68	100	80	67	69	65	70	71	72	
- Surplus	0	0	13	0	5	0	6	0	4	5	8	
Subsoil moisture - Short	46	0	0	0	5	33	6	59	18	19	1	
(Percent) - Adequate	54	93	100	86	90	67	94	41	79	79	82	
- Surplus	0	7	0	14	5	0	0	0	3	2	17	

n/a = not available.

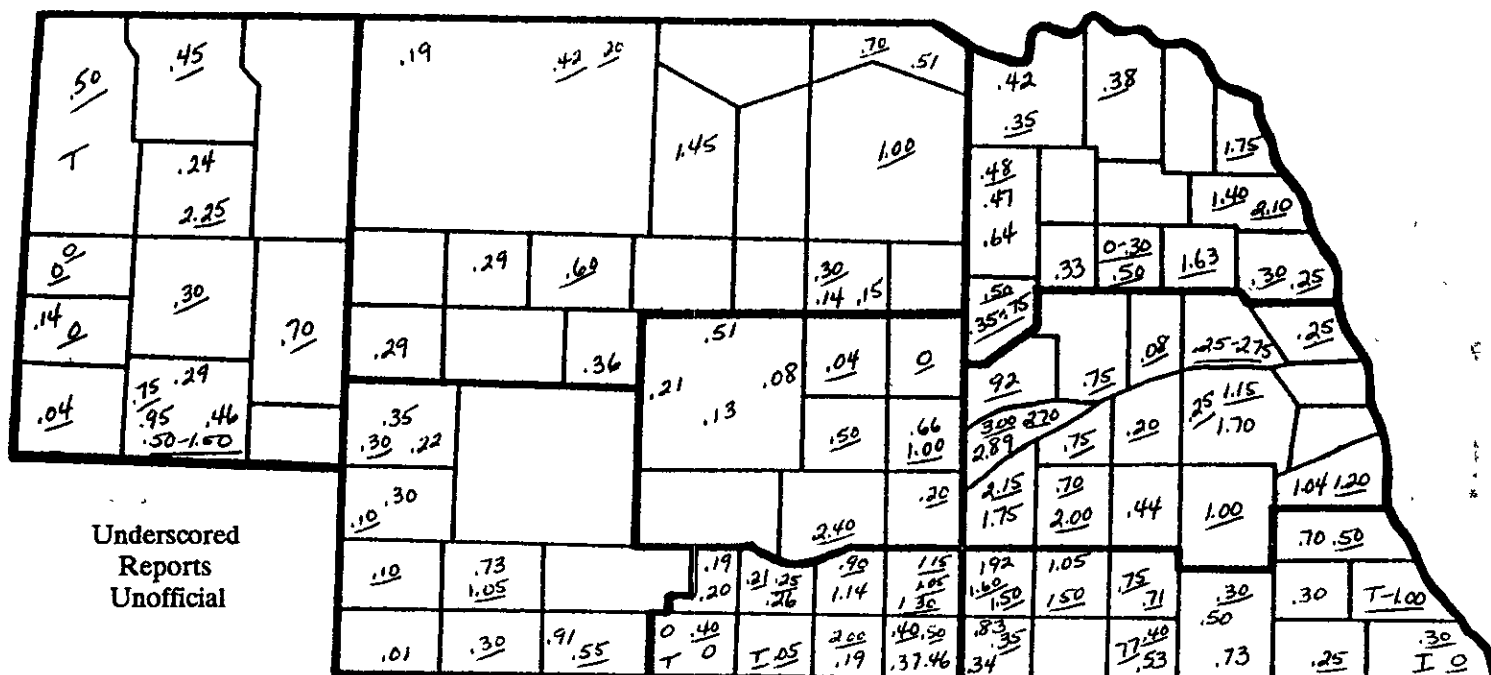
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# PRECIPITATION MAP FOR WEEK ENDING FRIDAY, AUGUST 12, 1994



## PRECIPITATION, APRIL 1 - AUGUST 12, 1994

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week .....	.35	.42	.47	.32	1.56	.42	.28	.77
Total since April 1 .....	8.15	13.56	13.52	14.93	17.49	10.76	14.84	15.19
Normal since April 1 .....	10.86	13.08	14.92	14.07	15.72	11.99	14.12	16.40
Total as % of normal .....	75%	104%	91%	106%	111%	90%	105%	93%

## TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, AUGUST 14, 1994

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	94	56	75	---	.92	---	---	---
	Scottsbluff	93	55	75	+2	.13	1928	2089	1951
	Sidney	89	55	73	---	.76	1843	1999	1800
NC	Valentine	93	50	70	-4	.02	---	---	---
	Arthur	---	---	---	---	---	1835	1980	1835
	O'Neill	---	---	---	---	---	1880	2008	2065
NE	Norfolk	85	49	69	-5	.43	---	---	---
	Sioux City	81	48	68	-6	1.13	---	---	---
	Concord	---	---	---	---	---	1929	2042	2140
	Elgin	---	---	---	---	---	1936	2064	2085
	West Point	---	---	---	---	---	2054	2181	2198
CEN	Grand Island	95	53	72	-3	.06	---	---	---
	Ord	93	59	71	---	.92	2005	2148	2100
	Wood River	---	---	---	---	---	2065	2217	2279
EC	Lincoln	93	52	73	-3	.47	2238	2399	2360
	Omaha	92	51	72	-4	.75	---	---	---
	Central City	---	---	---	---	---	2082	2229	2293
	Mead	---	---	---	---	---	2082	2227	2281
	Rising City	---	---	---	---	---	2060	2204	2244
SW	Imperial	---	---	---	---	---	---	---	---
	North Platte	92	54	73	0	T	1950	2101	2021
	McCook	---	---	---	---	---	2153	2324	2221
SC	Holdrege	---	---	---	---	---	2098	2263	2204
	Red Cloud	---	---	---	---	---	2149	2315	2256
SE	Beatrice	---	---	---	---	---	2153	2318	2281
	Clay Center	---	---	---	---	---	2093	2250	2238

1/ Precipitation totals not included in map above.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.